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APPLICATION N	lO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/736,654		12/16/2003	Brent R. Jones	D/A3616	6297
25453	759	00 04/28/2006		EXAMINER	
		CUMENTATION C	LIANG, LEONARD S		
XEROX CORPORATION 100 CLINTON AVE., SOUTH, XEROX SQUARE, 20TH FLOOR			ART UNIT	PAPER NUMBER	
	ROCHESTER, NY 14644			2853	····
				DATE MAILED: 04/28/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	10/736,654	JONES ET AL.
Office Action Summary	Examiner	Art Unit
·	Leonard S. Liang	2853
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 136(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 15 F	s action is non-final. ance except for formal matters, pr	
Disposition of Claims		
4) ☐ Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-20 are subject to restriction and/or	wn from consideration.	
Application Papers		
9) The specification is objected to by the Examine	er.	
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to by the	Examiner.
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E		
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list 	nts have been received. Its have been received in Applicatority documents have been received in Rule 17.2(a)).	tion No red in this National Stage
AM1		•
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summar Paper No(s)/Mail [5) Notice of Informal	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date Section and Trademote Office.	6) Other:	

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-12, drawn to a melt assembly for use in a phase change printer, classified in class 347, subclass 88.
- II. Claims 13-19, drawn to a drip plate for use in an ink loader, classified in class347, subclass 88.
- III. Claim 20, drawn to an ink loader, classified in class 347, subclass 88.

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the melt assembly does not necessarily need to use a drip plate in which there is an interior space for an internal heating device. As disclosed by the applicant's own specification, "[m]ultiple methods of heating the melt plate 60 can be used" (paragraph 0041). The heating device does not need to be a device internal to the drip plate, but can rather be an external entity, such as in the applicant disclosed figure 4. Here, it is clear that the drip plate 29 does not have an internal space for an internal heating device. The subcombination has separate utility such as being used in a phase change printer where the heating device is not the PTC material itself. While not conceding the validity of the applicant's arguments, the examiner notes that according to the applicant's arguments, Crawford would be an example of the

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subcombination having separate utility because it supposedly discloses a drip plate for use in an ink loader where the heater merely includes a heating device comprised of a PTC material as opposed to being the PTC material itself.

Inventions I and III are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the melt assembly can use an ink loader with a flat unshaped drip plate (as shown in Crawford (US Pat 5784089)); the plate does not have to have a lower portion shaped to form a drip point. The subcombination has separate utility such as being used in a phase change ink printer where the heating device is not the PTC material itself.

Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct if they do not overlap in scope and are not obvious variants, and if it is shown that at least one subcombination is separately usable. In the instant case, subcombination III has separate utility such as being used in a system where the heater is external from the drip plate, as opposed to internal, as disclosed in Invention II. See MPEP § 806.05(d).

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper. The examiner sincerely apologizes for not making this restriction requirement earlier. It was not until the examiner closely

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examined the applicant's arguments that the examiner realized that the three independent claims, although all classified in the same subclass, represent widely divergent subject matter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonard S. Liang whose telephone number is (571) 272-2148. The examiner can normally be reached on 8:30-5 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

04/25/06 Isl i S l

STEPHEN MEIER SUPERVISORY PATENT EXAMINER

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